

RECEIVED
CENTRAL FAX CENTER

AMENDMENTS TO THE CLAIMS

MAY 20 2008

1-48. (Cancelled)

49. (New) A method for processing a source document in a structured document format including elements providing source content to render, wherein the source content comprises code that is rasterized into output, comprising:

receiving the source document including source content in a presentation language; receiving a layout data structure separate from the source document, providing formatting properties specifying a layout and format of the content output, wherein the layout data structure does not include source content;

processing the source document and the layout data structure to determine formatting properties, including page divisions, for the content in the source document;

generating a first page object including the source content in the presentation language used in the source document and formatting properties for a first page;

generating a second page object including the source content in the presentation language used in the source document and formatting properties for a second page, wherein the first page object includes a first set of content elements to place on the first page and the second page object includes a second set of content elements to place on the second page; and

transmitting the first page object and second page object to a rasterizer to transform into renderable information capable of being generated by an output device.

50. (New) The method of claim 49, wherein the page objects include content and formatting properties in a device independent presentation language.

Docket No.: 8185.P010
Application No.: 09/782,850

51. (New) The method of claim 49, wherein the presentation language comprises a page description language.

52. (New) The method of claim 49, wherein the source document does not indicate page divisions for the content.

53. (New) The method of claim 49, wherein generating page objects comprises:

adding at least one content element to one page object until the page object does not have available space for an additional content element; and

adding at least one additional content element to at least one additional page object until all content elements are included in page objects.

54. (New) The method of claim 53, wherein page sequence elements include content elements, further comprising:

accessing page sequence elements according to an ordering of the page sequence elements, wherein the content elements within the accessed page sequence elements are added to page objects.

55. (New) The method of claim 49, wherein the presentation language comprises a first presentation language, further comprising:

transforming the source document and source content therein into a result document in a second presentation language, wherein the result document includes the source content and the formatting properties provided by the layout data structure, wherein the formatting properties

indicate page divisions of the content, and wherein the multiple page objects are generated from the result document.

56. (New) The method of claim 55, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout data structure comprises an XSL stylesheet.

57. (New) The method of claim 55, wherein the page objects include formatting properties in a third presentation language.

58. (New) The method of claim 57, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation language comprises the Mixed Object Document Content Architecture (MO:DCA), and wherein the layout data structure comprises an XSL stylesheet.

59. (New) The method of claim 57, wherein the third presentation language comprises a page description language.

60. (New) The method of claim 55, wherein the page objects include content and formatting properties in the second presentation language.

61. (New) The method of claim 55, wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO).

62. (New) A system for processing a source document in a structured document format including elements providing source content to render, wherein the source content comprises code that is rasterized into output, comprising:

an output device;

means for receiving the source document including source content in a presentation language;

means for receiving a layout data structure separate from the source document, providing formatting properties specifying a layout and format of the content output, wherein the layout data structure does not include source content;

means for processing the source document and the layout data structure to determine formatting properties, including page divisions, for the content in the source document;

means for generating a first page object including the source content in the presentation language used in the source document and formatting properties for a first page;

means for generating a second page object including the source content in the presentation language used in the source document and formatting properties for a second page, wherein the first page object includes a first set of content elements to place on the first page and the second page object includes a second set of content elements to place on the second page; and

means for transmitting the first page object and second page object to a rasterizer to transform into renderable information capable of being generated by the output device.

63. (New) The system of claim 62, wherein the page objects include content and formatting properties in a device independent presentation language.

64. (New) The system of claim 62, wherein the presentation language comprises a page description language.

65. (New) The system of claim 62, wherein the source document does not indicate page divisions for the content.

66. (New) The system of claim 62, wherein generating page objects comprises:

adding at least one content element to one page object until the page object does not have available space for an additional content element; and

adding at least one additional content element to at least one additional page object until all content elements are included in page objects.

67. (New) The system of claim 66, wherein page sequence elements include content elements, further comprising:

accessing page sequence elements according to an ordering of the page sequence elements, wherein the content elements within the accessed page sequence elements are added to page objects.

68. (New) The system of claim 62, wherein the presentation language comprises a first presentation language, further comprising:

Docket No.: 8185.P010
Application No.: 09/782,850

means for transforming the source document and source content therein into a result document in a second presentation language, wherein the result document includes the source content and the formatting properties provided by the layout data structure, wherein the formatting properties indicate page divisions of the content, and wherein the multiple page objects are generated from the result document.

69. (New) The system of claim 62, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout data structure comprises an XSL stylesheet.

70. (New) The system of claim 68, wherein the page objects include formatting properties in a third presentation language.

71. (New) The system of claim 70, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation language comprises the Mixed Object Document Content Architecture (MO:DCA), and wherein the layout data structure comprises an XSL stylesheet.

72. (New) The system of claim 70, wherein the third presentation language comprises a page description language.

73. (New) The system of claim 68, wherein the page objects include content and formatting properties in the second presentation language.

74. (New) The system of claim 68, wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO).

75. (New) An article of manufacture, in communication with an output device, for processing a source document in a structured document format including elements providing source content to render, wherein the source content comprises code that is rasterized into output, and wherein the article of manufacture comprises code capable of causing a processor to perform:

receiving the source document including source content in a presentation language;

receiving a layout data structure separate from the source document, providing formatting properties specifying a layout and format of the content output, wherein the layout data structure does not include source content;

processing the source document and the layout data structure to determine formatting properties, including page divisions, for the content in the source document;

generating a first page object including the source content in the presentation language used in the source document and formatting properties for a first page;

generating a second page object including the source content in the presentation language used in the source document and formatting properties for a second page, wherein the first page object includes a first set of content elements to place on the first page and the second page object includes a second set of content elements to place on the second page; and

transmitting the first page object and second page object to a rasterizer to transform into renderable information capable of being generated by the output device.

76. (New) The article of manufacture of claim 75, wherein the presentation language comprises a page description language.

77. (New) The article of manufacture of claim 75, wherein the source document does not indicate page divisions for the content.

78. (New) The article of manufacture of claim 75, wherein generating page objects comprises:

adding at least one content element to one page object until the page object does not have available space for an additional content element; and

adding at least one additional content element to at least one additional page object until all content elements are included in page objects.

79. (New) The article of manufacture of claim 78, wherein page sequence elements include content elements, wherein the code is further capable of causing the processor to perform:

accessing page sequence elements according to an ordering of the page sequence elements, wherein the content elements within the accessed page sequence elements are added to page objects.

80. (New) The article of manufacture of claim 75, wherein the presentation language comprises a first presentation language, and wherein the code is further capable of causing the processor to perform:

transforming the source document and source content therein into a result document in a second presentation language, wherein the result document includes the source content and the formatting properties provided by the layout data structure, wherein the formatting properties indicate page divisions of the content, and wherein the multiple page objects are generated from the result document.

81. (New) The article of manufacture of claim 80, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), and wherein the page layout data structure comprises an XSL stylesheet.

82. (New) The article of manufacture of claim 80, wherein the page objects include formatting properties in a third presentation language.

83. (New) The article of manufacture of claim 82, wherein the first presentation language comprises the Extensible Markup Language (XML), wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO), wherein the third presentation language comprises the Mixed Object Document Content Architecture (MO:DCA), and wherein the layout data structure comprises an XSL stylesheet.

84. (New) The article of manufacture of claim 82, wherein the third presentation language comprises a page description language.

85. (New) The article of manufacture of claim 80, wherein the page objects include content and formatting properties in the second presentation language.

86. (New) The article of manufacture of claim 80, wherein the second presentation language comprises Extensible Stylesheet Language Formatting Objects (XSL-FO).

87. (New) The article of manufacture of claim 80, wherein the page objects include content and formatting properties in a device independent presentation language.